



UNITED STATES
POSTAL SERVICE

MTAC

Mail Prep & Entry Focus Group

Webinar

August 14, 2014

- MTE Fall Mailing Readiness
- METOR Update
- Presort Reference Data - User Group 9 Update
- Service Hub Workgroup 159 Update
- Monthly Update Cycle
- MP&E Steering Committee Update
- Remittance Mail Update
- Lean Mail Processing Initiatives
- CFS/PARS Consolidation Update
- Secure Destruction Site List
- Engineering & Technology Update

MTE Fall Mailing Readiness

- **Actions Taken in 2014**
- **New Buys**
- **Demand & Inventories**
- **Misuse of MTE**

MTE Management

- Lean Six Sigma Projects
 - Lean Mail Processing
- HQ weekly monitoring of Demand and Inventories
- Launch of MTEOR to Local Mailers serviced by Postal Plants

\$90,000,000



Over 30M pieces of MTE purchased in FY14

EIRS Number	Description	FY14 Purchased Qty
01VM	#1 Sack	8,000,000
75E	EMM Sleeves	1,000,000
78P	Flat tubs	2,500,000
75H	Half Sleeves	2,000,000
74HP	Half Trays (Plastic)	1,000,000
01VF/01FE	International Sacks	4,000,000
75	MM Sleeves	1,000,000
65PL	Plastic Pallet	3,201,350
Total		30,701,350

** Quantities are provided in pieces. Total quantity will be delivered by 9/30/14.*

MTE Inventory Status

As of 08/06/14	Current MTE SC Inventory on hand	1-Week Safety Inventory	Pieces Above / Below Safety	Percent Above / Below Safety	Weekly Demand Var to SPLY	% Var Inventory to SPLY
PALLETS	2,810,415	314,838	2,495,577	793%	-9%	327%
EMM TRAY	2,914,272	1,690,107	1,224,165	72%	-8%	-54%
1/2 TRAY	3,294,060	1,442,129	1,851,931	128%	-20%	26%
MM TRAYS	4,608,450	2,729,044	1,879,406	69%	-18%	-57%
MM SLEEVE	5,324,670	3,861,731	1,462,939	38%	-11%	-43%
EMM SLEEVE	2,855,019	2,413,669	441,350	18%	-10%	-43%
1/2 SLEEVE	3,989,037	1,832,873	2,156,164	118%	-11%	8%
FLAT TRAY	1,332,744	456,194	876,550	192%	0%	-52%
#1 SACK	6,133,500	1,569,053	4,564,447	291%	-17%	141%

Fall Mailing Season Readiness

MTE is Ready for Fall Mailing Season!

Inventories are Strong!



How Industry Partners Can Help:

- ☐ MTEOR weekly inventory



- ☐ Place equipment orders just-in-time based on production

- ☐ Never store MTE outside



- ☐ Maintain equipment within postal supply chain

- ☐ Misuse of MTE



Mail Transport Equipment (MTE)

**Theft or misuse of USPS equipment is a federal crime.
Penalties of up to 3 years in prison and a fine.**



Letter Trays



Plastic Pallets



Wood Slat Pallets



Presswood Pallets



Flat Tubs



Tray Sleeves

Got it? **RETURN IT!**

Got MTE you don't need? Send it to the Mail Transport Equipment Service Center (MTESC). Report all unauthorized use of MTE to the MTE Hotline at 866-330-3404 or email hqmtc@usps.gov.



Utilize MTE only for mail transport
not for any private business use

MTE is everywhere!

Serving many purposes
unrelated to mail.

Report misuse!



**Outside a business
that does not
prepare mail**

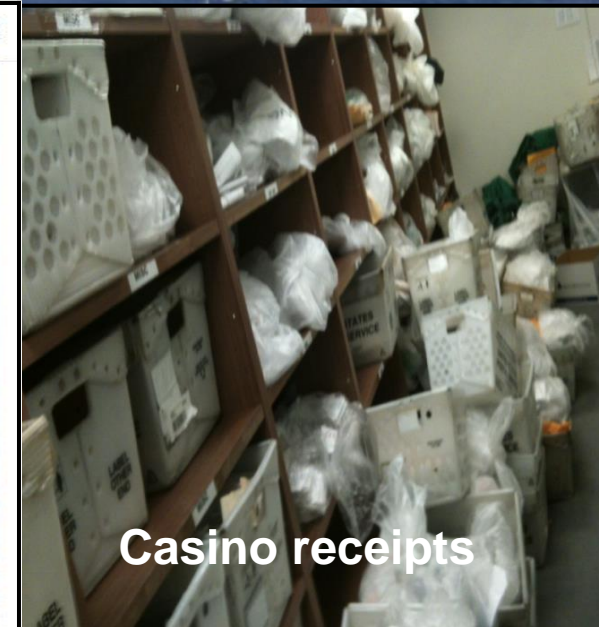


**College text book
sidewalk sale**

★ 20 Plastic Heavy Duty Pallets - \$2



For Sale on Craig's List



Casino receipts

MTEOR Update

The MTEOR logo is a blue, elongated oval shape with a white gradient on the left side, pointing to the left. The word "MTEOR" is written in white, bold, sans-serif capital letters inside the oval.

MTEOR

- **MTEOR for Local Mailers launch is almost complete**
 - Southern Pacific Area – February 3, 2014 **(Complete!)**
 - Northern Pacific Area – March 3, 2014 **(Complete!)**
 - Eastern Area – April 7, 2014 **(Complete!)**
 - Great Lakes Area – May 5, 2014 **(Complete!)**
 - Southern Area – June 2, 2014 **(Complete!)**
 - Northeast Area – July 14, 2014 **(Complete!)**
 - Capital Metro Area – August 11, 2014 **(Complete!)**
 - Western Area – September 8, 2014

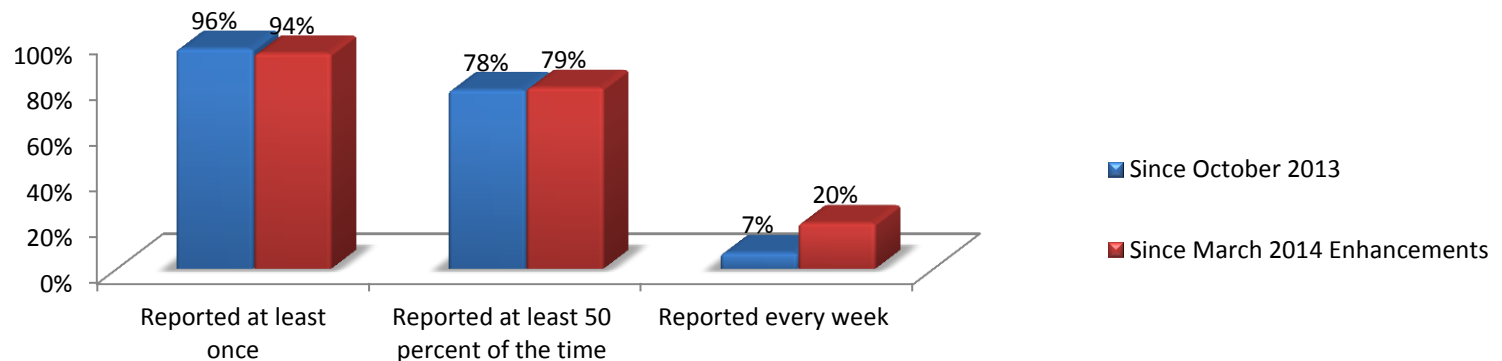
To date, over 2,800 Mailers have placed over 22,000 requests worth over \$30 million through MTEOR!

- **Feedback gathered from Mailers using the MTEOR for Local Mailer capability is positive!**
 - Mailers who responded positively cited the following:
 - Ease of use
 - Ability to get requested equipment quickly
 - Guaranteed availability of equipment
 - Communication process
 - Mailers provided the following suggestions for improvement:
 - No option for standing orders –
 - **Enhancement coming in Fall 2014!**
 - No option for same-day orders –
 - **Use the comments box on the Request Entry Form to request same day service (the plant decides if they can accommodate the request)**

- **Potential MTEOR enhancements include:**

Potential Enhancements	Projected Launch Date
Customer Reports – Templates are still being defined and will be discussed with the MTAC User Group 007	Inventory Summary Report – Complete! Other Reports – FY15
Messaging ‘Module’ on MTEOR Homepage – Updates will be shared with users via messages (i.e., known system issues; MTE supply updates, etc.)	Launch Schedule Messaging – Complete! Additional Messaging by Customer Groups – FY15
Order History – Order history will be expanded to 30 days; users will eventually be able to export up to 13 months of order history	30 days - Complete! Additional History – FY15
Modify/Withdraw Capabilities – When a user withdraws an order, the screen will be automatically updated to show the available transportation and ‘Modify’ will be added as an order status.	Modify/Updated Withdraw Capabilities – FY15
Standing Order – Mailers will be able to place standing orders from local Plants	Standing Orders for Local Mailers – Fall 2014

- **MTE inventory reporting continues to be monitored**
 - Mailers who request MTE from an MTESC must submit an MTE inventory report by Wednesday at 11:59 PM local time
- **The following MTEOR enhancements help to foster compliance with the weekly reporting requirement:**
 - Reminder pop-up windows in MTEOR beginning every Tuesday until users complete the inventory report for that week
 - Weekly reminder email to all MTESC Mailers
 - Weekly email to BSAs with status of reporting compliance by location



* Data is current as of July 31, 2014

- We redesigned the MTEOR RIBBS Page with the following changes:
 - Created a more modern and responsive interface
 - Restructured the layout based on actions available in the MTEOR application
 - Reconsolidated reference materials to make them easily accessible


You will find manuals, reference guides, FAQs, training videos and other useful information on the website!

Mail Transport Equipment Ordering System

[Printable View](#)
[RSS](#)

Welcome to the MTEOR Home Page!

The Mail Transport Equipment Ordering System (MTEOR) provides a fast, reliable, and convenient place for Mailers to request mail transport equipment (MTE) directly from a Postal Plant or a MTESC. Mailers who request at least one pallet (approximately 100 pieces) of stacked trays, tubs, sacks or sleeves, any quantity of plastic pallets, or rolling stock from a Postal plant should use MTEOR.




Announcements!


MTEOR for Local Mailers launches in the Capital Metro Area on August 11, 2014! Check with your local plant or BSN to verify if you should begin using MTEOR to request MTE.

Attention Northeast Area Mailers!
Tell us about your experience by taking the MTEOR for [Local Mailers Feedback Survey!](#)
All MTEOR enhancements are result in customer feedbacks.


[The Latest MTEOR Bulletin!](#)




[How to register for MTEOR](#)



[How to request MTE](#)



[How to report MTE inventory
MTESC Mailers ONLY](#)



[What is MTAC User Group 007](#)

Need MTEOR Help?
Please contact the MTEOR Help Desk at 1-866-330-3404 or MTEOR@usps.gov.

The MTEOR Help Desk is available:

- Visit the MTAC User Group 007 Resource Center for all meeting materials and meeting minutes
 - <https://ribbs.usps.gov/mteor/mtac007.htm>
- Next Meeting: September 16, 2014
 - Contact the MTEOR Help Desk at MTEOR@usps.gov or 1-866-330-3404 to join the MTAC User Group 007

Mail Transport Equipment Ordering System



What is MTAC User Group 007

Who are we?

This group brings together MTEOR users to identify and recommend opportunities for future enhancements to Phase 1 MTEOR-Mailer. As a part of this working group, members are responsible for:

- Gaining an understanding of any MTEOR program constraints and ease of use issues from the user perspective.
- Recommending future enhancement initiatives for the MTEOR program that will improve the user experience, including communications, ease of use, and reporting.
- Reviewing and building upon the recommendations from MTAC Work Group #153: "Mailer MTE Inventory Tracking and Reporting Process".

Did not attend the meeting? Review the meeting minutes and presentations posted below!

- June 24, 2014
 - [Presentation](#)
 - [Meeting Minutes](#)
- April 29, 2014
 - [Presentation](#)
 - [Meeting Minutes](#)
- March 25, 2014
 - [Presentation](#)
 - [Meeting Minutes](#)
- February 18, 2014
 - [Presentation](#)
 - [Meeting Minutes](#)
- January 28, 2014
 - [Presentation](#)
 - [Meeting Minutes](#)
- December 03, 2013
 - [Presentation](#)
 - [Meeting Minutes](#)
- October 29, 2013
 - [Presentation](#)
 - [Meeting Minutes](#)
- October 01, 2013
 - [Presentation](#)
 - [Meeting Minutes](#)

Presort Reference Data User Group 9

Update

- Formed Group – First Meeting 7/18/14
- Revised Issue Statement
- Defined Scope of User Group
- Reviewed Monthly Update Cycle
- Developed Log for Tracking Data Issues with Labeling Lists
- Developed Communication Plan

- The Industry and the USPS will work together to create and discuss the efficient communication, deployment, and accuracy of USPS presort reference data. This includes but is not restricted to Label List data, Drop Ship Product (Including Mail Direction Files, address files, etc.), Zone Charts, Delivery Statistics File, and City/State File

- In addition, this team will work through the transition and implementation of monthly presort data updates including (but not limited to):
 - Industry deployment of data and software
 - USPS publication of data
 - System and business requirements to ensure publication of accurate data
 - Communication of issues in the field and resolution with mailers
 - Industry education regarding usage, notification period, transition window, and definition of expiration
 - Thresholds and process for penalty assessment when expiration is based on mail induction (after postage has been paid)
 - Dispute resolution process
 - Any additional documentation requirements

In Scope	Postal Product	Out of Scope
Label Lists Zone Chart Matrix	<i>Presort Data</i>	
Address BMEU CIN List CET Drop Ship Hours Layout Mail Direction Mail Direction v2 Mail Direction v3 Parcel File Post Plan Supplemental Supplemental File HUB List (WG 159)	<i>Presort Data - Drop Ship Product</i>	
City/State (presort) Delivery Stats (presort)	<i>Address Information System (AIS)</i>	City/State (addressing) Delivery Stats (addressing) Carrier Route eLOT Five-Digit ZIP
	<i>Address Management System (AMS)</i>	ZIP+4 ZIP4INFO Z4Change ZIPMove NCOALink AEC DPV DSF2 eLOT LACSLink RDI SuiteLink
	<i>Move Update</i>	NCOALink ACS AEC

Issue List (Drop Ship Product, Label List, Zone Chart, Delstat, CityState file)

Begin Usage Date: 9/1/2014

Issue No.	Date Found	Date Fixed	File(s)	Issue Description	Resolution
Test Files	7/11/2014	7/16/2014	L012	1077 Duplicate ZIP Codes	Problem was caused by multiple locale keys for 5-digit ZIP codes in batch file. Duplicates were eliminated and file was re-loaded prior to final lists being generated.
Test Files	7/11/2014	10/1 Chg Doc	L001	70503 & 70596 for LAFAYETTE LA 70506 were added back after documentation listed them as being removed on July 1	70503 & 70596 were still present in the July files. This was an error in the change document published for July. The label will be corrected for the 10/1 files to read LAFAYETTE LA 70503.
Test Files	7/11/2014	9/1 Chg Doc	L606	01201, 01202, 01203, 01240, 01226, 01270 show as deleted with no documentation	ZIPs added to final change document to be published in the Postal Bulletin on 8/7
Test Files	7/11/2014	9/1 Chg Doc	L606	EDISON NJ 08817 changes documented twice	Deleted duplicate row in final change document to be published in the Postal Bulletin on 8/7
Test Files	7/11/2014	7/16/2014	L801	337, 338, 342 were changed to MANASOTA FL 342	This change was not allowed based on the minor update cycle rules. The ZIPs were changed back to AADC TAMPA FL 335 and will be updated for the 10/1 cycle.

- Test File Issue Tracking
 - Issues reported via NCSC
 - Issues are shared with full test team as soon as it is submitted to NCSC
 - As issues are forwarded to Kristina, all testers will be cc'ed on email – NCSC will make this common procedure
 - Responses/resolutions reported back to vendors via NCSC email in real-time
 - Use Presort Reference Data Issue List format

- Released Data Issue Tracking/Communication
 - Subscriber (Push) Notification
 - Industry Alert (Critical Issues)
 - User Group 9
 - MSDG
 - EPF Notice
 - Postal Bulletin
 - General (Pull) Notification

Service Hubs Implementation Work Group 159

Update

- Implementation Timeline
- Eligible Mailings for Hubs
- Dropping at Hubs
- Communication Plan

- Pilot – November 2014
 - 4 Pilot sites selected: Southern CT, Southeastern PA, Manasota FL, Rockville IL
 - Mail Direction File Published on 10/1 for 11/1/14 Effective Date will contain 4 Pilot Hubs
 - All mailers will have option to drop at pilot hubs
 - Work Group 159 members have volunteered to provide feedback
- Phase I Implementation – February 2014
 - 43 Former SCF sites selected
 - Phase I Sites posted on FAST

- Hubs will accept cross-dock containers only
 - 5-Digit ZIP, 5-Digit CRRT (non-FSS zones) pallets, bundles, sacks or containers of
 - Standard Mail
 - Periodicals
 - Bound Printed Matter
 - Parcels

- **Presort Prep**
 - Anything currently eligible to be dropped at a DDU can be dropped at a Hub, but will receive the Hub (DSCF) discount
 - **Flats**
 - Bundles on merged 5-digit scheme or 5-digit scheme carrier routes pallets prepped according to L001 are eligible for Hub drops
 - Bundles on 5-digit scheme pallets prepped according to the L007 are not eligible for Hub drops
 - **Parcels**
 - 5-digit pallets and 5-digit scheme pallets prepped according to the L606 are eligible for Hub drops

- Hub drops will qualify for the DSCF rate
- CET will be 1600 for all Hubs
- Hours of Operation will vary by facility
 - Hours available in FAST and mail direction file
- FAST appointments will be required
- FAST will be ready to accept appointments for November 2014

- Communication Plan
 - Share with MSDG
 - Send Industry Alert
 - Notification sent to MDF users (FAST User Group)
 - User group 1 – add to agenda

Monthly Update Cycle

Overview

2014 Labeling List and Mail Direction File Schedule

	AIS Files, Publish City State Files*** (date available on EPF)	Publish Date of Labeling List, Zone Matrix and Drop Ship Product, Files**	City/State, Label List, Delivery Stats, Drop Ship Product, and Zone Matrix Begin Usage Date	City/State, Delivery Stats, Label List , Drop Ship Product, and Zone Matrix Mandatory Usage Date	City/State, Delivery Stats, Label List, Drop Ship Product, and Zone Matrix Expiration****	Accept 8125 of Old Address	Release Cycle Types*
1	11/11/2013	12/15/2013	1/1/2014	2/1/2014	4/30/2014	5/30/2014	ALL
2	12/16/2013	1/15/2014**	1/26/2014				FSS Labeling List/Drop Ship
3	2/10/2014	3/15/2014	4/1/2014	5/1/2014	7/31/2014	8/30/2014	ALL
4	5/12/2014	6/1/2014	7/1/2014	8/1/2014	9/30/2014	10/30/2014	Major
5	7/14/2014	8/1/2014	9/1/2014	10/1/2014	10/31/2014	11/30/2014	Minor
6	8/11/2014	9/1/2014	10/1/2014	11/1/2014	11/30/2014	12/30/2014	Major
7	9/15/2014	10/1/2014	11/1/2014	12/1/2014	12/31/2014	1/30/2015	Minor
8	10/13/2014	11/1/2014	12/1/2014	1/1/2015	1/31/2015	3/2/2015	Minor

*Major = major changes to labeling lists (3-digits, 5-digits (schemes), Minor= tweaks to existing 5-digits (schemes)

** A special release of the zone chart matrix and drop ship product file will be available on January 2 and January 15 (respectively) to align with the January 26 price change

*** Intended usage to align with pre-sort directories

****Current through October 2014, expiration is based on current postal validations occurring. After October 2014, the expiration will be based off of mail induction

- Currently, mail is validated and accepted as long as it is ENTERED prior to the expiration date of the published list
- After October 2014, mail will be validated against the list that will be effective on the planned INDUCTION date
 - (This will include the grace period as long as the mail is INDUCTED prior to the expiration date.)

Mail Prep & Entry

Steering Committee Update

- **Items Closed since May:**
 - #8 - There is a 500 piece rule for manifest requirements, which results in some smaller jobs not qualifying for discounts and having to be re-qualified for Single Piece mail.
 - #66 – Presort Verification for Flats in DMU's
 - #94 - Label List available to mailers do not always align with current processing.
 - #101 - Review NDC non-machineable parcel pricing and eliminate higher pricing at deeper sort levels.
 - #102 - Label lists - alignment with processing locations, documentation & structure, communication around usage, upcoming and planned changes
- **Items Completed since May:**
 - #36 - Incentive / Promotions Impacts to FCM
- **26 Items remaining in Benefit/Effort matrix**

- High Priority
 - 9 Items
- Medium Priority
 - 10 Items
- Low Priority
 - 6 Items
- Pending Further Review (B&E Matrix)
 - 1 Item

Remittance Mail Update

RMAC Board Meeting – August 28, 2014

RMAC Member Webinar – September 25, 2014

Proposed Topics

- **COMMUNICATIONS COMMITTEE**

- Qtrly RMAC Call – Remittance Topic of the quarter

- **NEW PRODUCTS – COMMITTEE**

- Remittance Mail Redirect
- Earned Value Promotion

- **OPERATIONAL PERFORMANCE COMMITTEE**

- Network rationalization impacts/New Operating Plans
- Processing Contingencies

Lean Mail Processing Initiatives

- **5S**
- **APPS/APBS Staging**
- **Flats Staging**
- **Letter Staging**
- **MTE Management**
- **Dock Management**
- **Reduction of parcel rework**
- **PIVMS**
- **Manual Flats**
- **Visual Management**

- **Running all rejects on LCREM**
- **Reduction of Letters in Flats**
- **Expansion of FAST Appointments**
- **Reduction of Late Trips**
- **Continuous Staffing of Letter Automation**
- **ACFS200 Upgrade**
- **Increasing Container Density**
- **APPS-APBS Spinner Racks**

CFS/PARS Consolidation Update

- USPS reduced to 22 CFS Units in 2013
 - No current plans for further consolidation
 - Will evaluate the impact on CFS workload of PARS for flats (FPARS) to be deployed in 2015
- PARS CIOSS processing operations have been consolidated to 61 plants
 - Columbia SC and Charleston SC CIOSS processing operations have been consolidated into Greenville SC
 - Plants without CIOSS processing operations are “feeder” plants, sending PARS letters to CIOSS “host” plants for CIOSS processing
 - Consolidated to increase efficiency of CIOSS operations
 - No current plans for further consolidation
- PARS for Flats (FPARS) deploys to 18 plants in 2015

Secure Destruction Site List

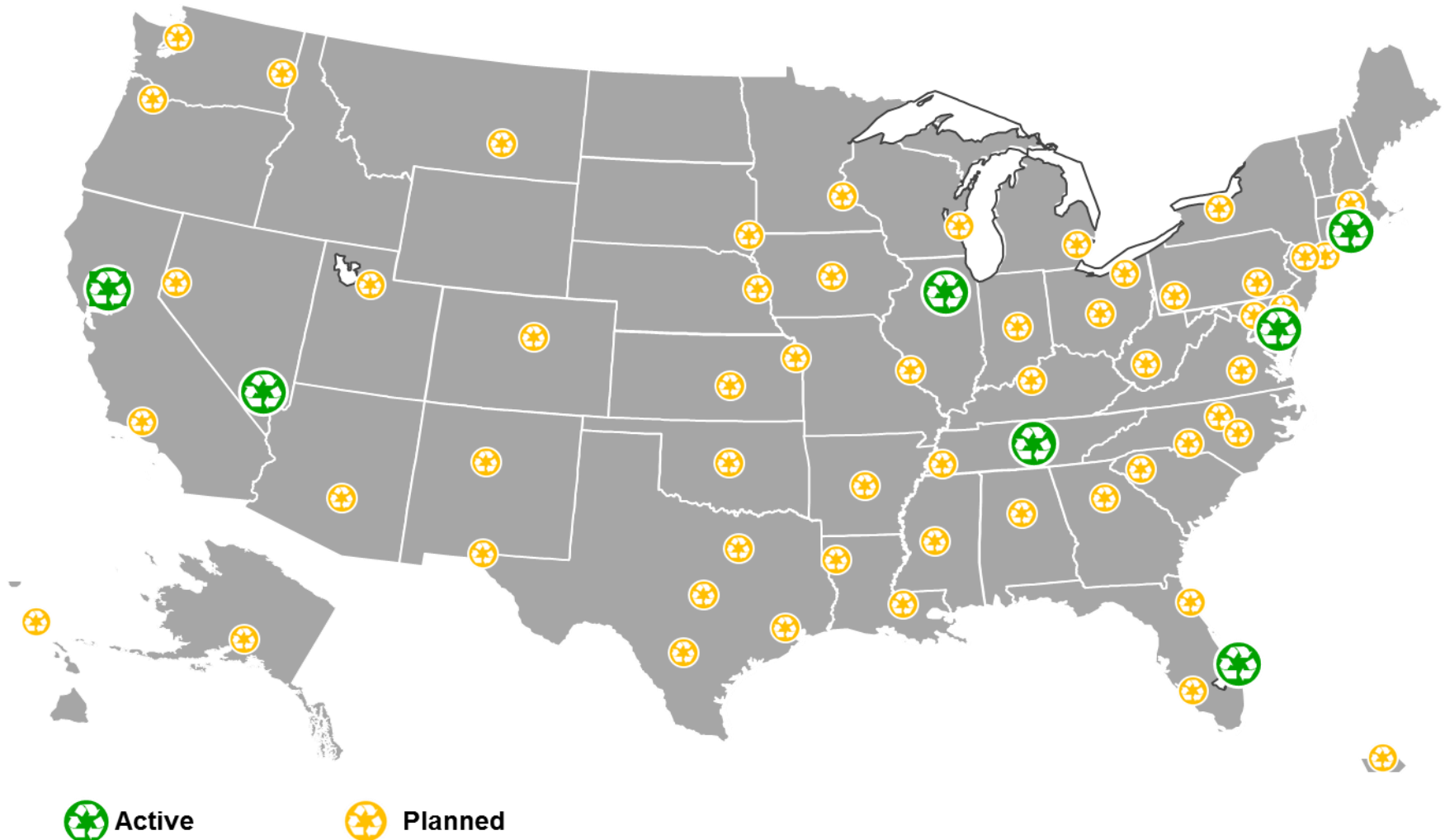
- A program that allows mailers to have Return to Sender (RTS) letter-sized First-Class Mail disposed of by the Postal Service in a secure manner
- A service offering shredding of Undeliverable-As-Addressed (UAA) First-Class letters at Postal CIOSS processing plants by USPS employees to ensure they are rendered unreadable prior to disposal
- Provides savings to mailers by reducing costs of receiving, handling, and destroying Return to Sender mail with Privacy Protected Information
- Pilot in November 2013, national deployment in November 2014

Active and Planned Secure Destruction Plants by Area

Area	SD Plants	
Capital Metro	Baltimore MD	North Metro GA
	Charlotte NC	Raleigh NC
	Greensboro NC	Richmond VA
	Greenville SC	Southern MD
Eastern	Charleston WV	Memphis TN
	Cleveland OH	Nashville TN
	Columbus OH	Pittsburgh PA
	Lancaster PA	Rochester NY
	Louisville KY	
Great Lakes	Detroit MI	Palatine IL
	Indianapolis IN	St Louis MO
	Milwaukee WI	
Northeast	Central MA	Morgan NY #1
	Hartford, CT	San Juan PR
	Northern NJ	
Pacific	Honolulu HI	Sacramento CA
	Industry CA	

Area	SD Plants	
Southern	Austin TX	Little Rock AR
	Baton Rouge LA	North Houston TX
	Birmingham AL	North Texas
	El Paso TX	Oklahoma City OK
	Fort Myers FL	San Antonio TX
	Jackson MS	Shreveport LA
	Jacksonville FL	West Palm Beach FL
Western	Albuquerque NM	Phoenix AZ
	Anchorage AK	Portland OR
	Billings MT	Reno NV
	Denver CO	Salt Lake City UT
	Des Moines IA	Seattle WA
	Kansas City MO	Sioux Falls SD
	Las Vegas, NV	Spokane WA
	Minneapolis MN	Wichita KS
	Omaha NE	

Secure Destruction Plants



Engineering Technology Update

- **Engineering Topics**

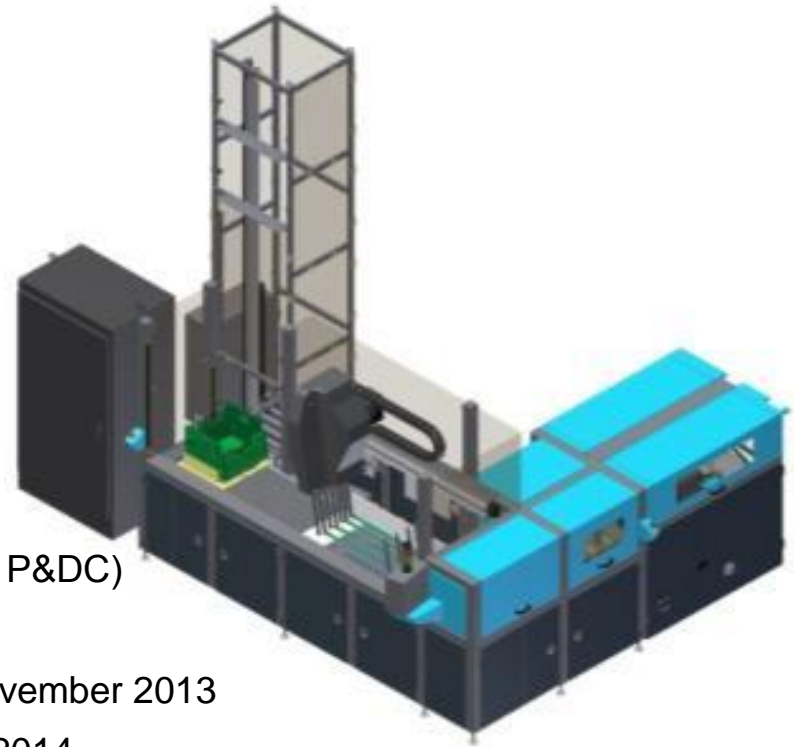
- FSS Updates
- AFSM Updates
- HSFF
- FPARS
- APPS
 - SEM
 - Bundle Breakage
- Low Cost Bundle Sorter
 - Near Term
 - Long Term

- **New Separation Belts & Additional Mod planned for early September 2014**
 - New Belts are ready for deployment.
 - New welder tool is ready for deployment
 - Additional major mod in the same area is being merged with deployment plan
 - This mod would require another set of 4 belts
 - Maintenance Bulletin is complete
 - Waiting on parts to arrive at the Topeka Material Distribution Center. Current ETA is 8/8
- **Mail Stack Quality at Feeders Deployed**
 - Adding 3 HW mods at feeder to better control stack quality and have gentler pick off of Low “Run Stiffness” Mail
 - Production First Articles have been received and approved.
 - Deployed and installed on all machines
 - Mod reduced mail damage but, did have some affect on Multifeeds (and Sequencing rejects)
 - Currently performing fine tune adjustment testing to vacuum used to pick and accelerate mail piece
- **Infeed Line Injector**
 - Adding 2 HW mods at Infeed Line for better injection into Carousel of Low “Run Stiffness” Mail to minimize flipped mail
 - Deployment with specialized field teams - complete
 - Mod cannot be activated until FSS Software release v3.2 is installed – Fall 2014

- **Updated Procedure for Carousel Track Alignment**
 - Updated Procedure will reduce major carousel maintenance downtime
 - [Awaiting MTSC final review of MMO \(complete September 2014\)](#)
- **Carousel Improvement Modifications planned June to Aug 2014**
 - Completed field testing at several sites
 - MTSC evaluating installation procedures
 - 4 machines currently installed with Mods
 - Modifications will reduce AFSM100 downtime and spares consumption
 - [Building First Article Kits for MTSC review, Handbook and TDP updates](#)
- **In-feed Injector Improvement planned for Aug 2014**
 - Developing improvement to the injector to reduce carousel and in-feed jams
 - Developing tools for easier and better maintenance of the injector
 - Field test planned June of 2014 – [complete](#)
 - [Testing has shown improvement in reducing Injector 1 and Injector 2 type jams](#)
 - [Next step – install modification at non FSS site and measure results](#)

HSFF FY14 Plan Forward

- Continue processing mail at the Dulles P&DC
 - Reduced on-site Engineering Support to one Tour
 - Provided HSFF maintenance training
- Two additional HSFF's in "live" environment
 - Site – Philadelphia P&DC
 - Installed July 21, 2014
- Production Support
 - Assembled two additional HSFF's (now at Philadelphia P&DC)
 - Includes design updates
 - Completed TDP Parts Drawing Comparison – November 2013
 - Installation activities at Linthicum IMF – January 2014
 - Supporting Installation Manual
 - Test set Development
 - Supports Production Quality Control
- Production Forward Plan (Decision Timeline)
 - TBD



- **Critical Design Review**
 - 10/28/2013-11/1/2013
- **FPARS First Article Test**
 - 1/5/2015-2/2/2015
- **Deployment Schedule**
 - 2/19/2015 - 4/28/2015
- **18 FPARS Sites**
- **22 AFSM100's will be modified for PARS processing**

Singulation Enhancement Module (SEM)

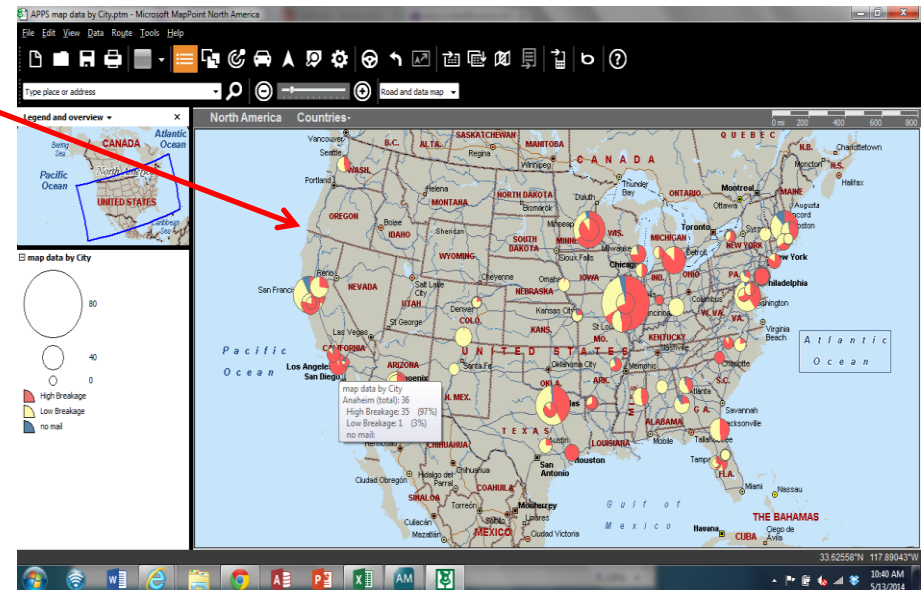
▪ **Previous status**

- Assembly of SEM onto Production APPS machine required some redesigns for manufacturability and ease of field assembly
 - Cause for delay but ultimately better design and quicker install in the field
- Generate install manual and finalize – Dec / Jan 2014
- Start building production quantities – Dec 2013
- First Article installation at KCMO P&DC completed Jan 7, 2014
- Start to ship: week of Jan 27, 2014
 - Priority is sites with FSS co-located with APPS
 - Followed by APPS sites feeding FSS
 - Followed by remaining APPS sites
- Ramp-up to 20 kits per week in Feb 2014
- Deployment plan is 130 kits in approximately 8 weeks
- Deployment complete in March 2014
- Installations complete – early May 2014

▪ **Current status**

- Monitor APPS SEM usage
 - Using current installed features
 - Using IMb scanned data

- **Monitoring APPS SEM Usage – *using current installed features***
 - Challenging to verify use
 - SEM is a manual operation to deploy
 - No electronic feedback when deployed
 - Methods for verification
 - Verbal feedback from Operations
 - APPS bundle dimensional data mining
 - Evaluating this method – what knowledge does it provide?
 - Only indicates bundle breakage but, not source
 - Heat Map (development effort)



Singulation Enhancement Module (SEM)

- **Monitoring APPS SEM Usage – *using IMb scan data***
 - Less challenging method
 - Method for verification
 - Isolating data from Full-Service IMb mailings where IMb scans occurred on the APPS/APBS on flats nested within bundles (per the submitted eDoc). This either indicates bundle breakage on the APPS/APBS or eDoc nesting errors.
 - January 1-16 (Prior to SEM installation on the APPS)
 - 37.5M bundles entered
 - 56% (21M) bundles scanned on the APPS/APBS
 - **21.2% (4.4M) bundles had one or more scans on nested pieces**
 - May 20 – June 20
 - 59.9M bundles entered
 - 61.8% (37M) bundles scanned on APPS/APBS
 - **8.5% (3.1M) bundles had one or more scans on nested pieces**
 - July 2014
 - 55.5M bundles entered
 - 63.1% (35M) bundles scanned on the APPS/APBS
 - **8.4% (2.9M) bundles had one or more scans on nested pieces**

- Bundle Dumping Process Improvement – New Tool
 - **Current Tool**



- **New Tool**



Further refined
end effector



- Goals
 - Sortation of FSS Multi-scheme pallets
 - Remove bundles from APPS / SPBS
- Timeframe
 - Near term – focus on 13 FSS sites w/o bundle sort capability
 - Long term – solution for all APPS / SPBS sites
- Near Term Activities
 - COTS system
 - Require some manual operation & has 20 sort outputs
- Long Term Activities (*Parallel Path*)
 - Full bundle sortation system
 - Modification to FSS SAMP
 - Require some manual operation & has potential of 20 sort outputs
- Currently
 - Engaging private sector on various technologies (pallet unloading, OCR, etc.)
 - Near Term Solution

Phase 1: “Sort to Prep” SAMP Sorter

- Add OCR vision system
 - Provided a demo of prototype system in Linthicum
 - Needed for Out-of-Sort-Plan task
 - Sort bundles to prep stations
 - Add Out of Sort “bin”

